

M. A. R. 57 (Rule 116)
Measurement Book

No. D

59954

Serial No. 1st & final bill

Name of work From To

Name of Contractor of nature of Agency..... Sri. K. Jagadish

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions			Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5		
	<u>Name of work :-</u>					
						19 th , 20 th , 21 st cross
						roads at Ravindra nagara in ward no.13. in
						Shettyhalli Sub- division
	<u>Job code :-</u>	013-18-	000058.			
	<u>A.A :-</u>	EE/DD/AS/	164/17-18.		dt:-25.09.2017.	
	<u>T.S :-</u>	EE/DD/TS/	214/17-18.		dt:-25.09.2017.	
	<u>work order :-</u>	EE/DD/NO/	190/17-18,		dt:-16.01.2018.	
	<u>Est cost :-</u>	₹. 50.00	Lakhs.			

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1. Earthwork excavation by manual means in ordinary soil involving in average horizontal through upto 2m & an average lift upto 1.5m, excavated surface leveled & sides neatly dressed, the disposed earth to be levelled neatly. It is completed as per specification. Vide city P# 59963					565.66 cum @ ₹ 181.96/cum	₹. 102927.00 ✓
	2. Providing & laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kg, with 40mm & downsize graded granite metal coarse aggregate @ 0.85 cum & fine aggregate @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cm thick. It is completed as per specification.						

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No. D

59955

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						49.91 cum	
						@ ₹. 4595.04/cum	₹. 229338.00 ✓
						57 Remaining balance city	20.81 cum
						@ ₹. 5534.94/cum	₹. 111020.00 ✓
	3. Construction of granular sub-base by providing coarse graded crushed Stone Aggregate of granite/trap/basalt material spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator @ 4mc, & compacting with vibratory						

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	roller, to achieve desired density. It is completed as per Specification vide ofy # 59966					123.89 cum	
	4. Providing & laying in position plain cement concrete of mix 1:4:8 with OPC Cement @ 180 kgs. with 40mm & downsize granite metal coarse aggregates @ 0.85 cum & fine aggregate @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cm thick, It is completed as per Specification					@ ₹. 1636.55/cum — ₹. 202752=0	
						123.89 cum	
						@ ₹. 5334.94/cum — ₹. 660946=0	

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59956

Serial No.

Name of work From To

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Date of commencement of work.....

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	5. Providing and laying plain reinforced cement concrete for side drains using M20 nominal mix concrete with OPC cement 300 kgs with 20mm & downsize granite metal coarse aggregates @ 0.69 cum & fine aggregate @ 0.43 cum. It is completed as per specification						
	15th cross (R/L)	2	30.00	0.10	0.10	0.54	3.70
	Side wall	2	30.00	0.12	0.10	0.58	4.56
		2	30.00	0.14	0.10	0.61	4.52
		2	30.00	0.12	0.10	0.56	4.03

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	18 th Cls (Wls)	2x	16.00	$\frac{0.12+0.12}{2}$	$\frac{0.56+0.56}{2}$	1.95	
		2x	30.00	$\frac{0.12+0.12}{2}$	$\frac{0.56+0.56}{2}$	4.18	
		2x	30.00	$\frac{0.13+0.13}{2}$	$\frac{0.58+0.58}{2}$	3.70	
		2x	30.00	$\frac{0.10+0.10}{2}$	$\frac{0.54+0.54}{2}$	4.00	
		2x	30.00	$\frac{0.14+0.14}{2}$	$\frac{0.58+0.58}{2}$	4.25	
		2x	16.00	$\frac{0.10+0.10}{2}$	$\frac{0.67+0.67}{2}$	2.04	
	vide qty Pg # 59968					Add Rate Qty 32.91	
						69.84 cum	

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Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
			@ ₹. 11408.70/cum			₹. 796783.00 ✓	
6	Cement concrete pavement construction of unreinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any type as per clause 10.5.1.2.2. with 25mm & downsize graded granite metal coarse aggregate & fine aggregate with superplasticizer @ 3kgs. It is completed as per specification.						

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	19 th cross	1x	30.00	$\frac{3.4+3.0}{2}$	x 0.15	14.40	
		1x	30.00	$\frac{3.0+3.1}{2}$	x 0.15	13.73	
		1x	30.00	$\frac{3.1+3.2}{2}$	x 0.15	14.18	
		1x	30.00	$\frac{3.2+3.5}{2}$	x 0.15	13.95	
		1x	22.00	$\frac{3.0+3.4}{2}$	x 0.15	10.56	
	20 th cross	1x	30.00	$\frac{3.5+3.9}{2}$	x 0.15	11.70	
		1x	30.00	$\frac{2.4+2.7}{2}$	x 0.15	11.48	
		1x	30.00	$\frac{2.7+2.7}{2}$	x 0.15	12.15	
		1x	8.00	$\frac{2.7+3.7}{2}$	x 0.15	3.84	

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59958

Serial No.
Name of work From To
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Date of commencement of work

Date 1	Full description, etc., of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
		1x	30.00	$\frac{3.7+4.9}{2}$	x 0.15	19.35	
		1x	19.00	$\frac{4.9+4.8}{2}$	x 0.15	13.82	
	1 st cross	1x	30.00	$\frac{4.0+2.9}{2}$	x 0.15	15.53	
		1x	30.00	$\frac{2.9+2.7}{2}$	x 0.15	12.60	
		1x	22.00	$\frac{2.7+3.0}{2}$	x 0.15	9.41	
		1x	30.00	$\frac{5.4+2.8}{2}$	x 0.15	18.45	
	2 nd cross	1x	30.00	$\frac{2.8+1.85}{2}$	x 0.15	10.46	

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1x	30.00x	$\frac{1.85+1.95}{2}$	x0.15	8.55	
		1x	14.00x	$\frac{1.95+2.2}{2}$	x0.15	4.36	
	2 nd CROM	1x	30.00x	$\frac{2.9+4.1}{2}$	x0.15	15.75	
		1x	31.00x	$\frac{4.1+3.7}{2}$	x0.15	18.37	
		1x	12.00x	$\frac{3.8+3.7}{2}$	x0.15	6.75	
		1x	7.20x	$\frac{2.1+1.9}{2}$	x0.15	2.16	
	CROM road b/w 20 th & 22 nd CROM	1x	30.00x	$\frac{4.7+3.6}{2}$	x0.15	18.68	
		1x	13.00x	$\frac{3.6+3.2}{2}$	x0.15	6.63	

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59959

Serial No.

Name of work From To

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Date of commencement of work

Date 1	Full description, etc. of work 2	Number 3	Dimensions			Contents 7	Reference to last Measurement 8
			Length 4	Breadth 5	Depth 6		
	CROM road b/w 20 th & 23 rd CROM	1x	30.00x	$\frac{5.0+5.25}{2}$	x0.15	23.06	
		1x	32.00x	$\frac{5.25+4.0}{2}$	x0.15	22.20	
	3 rd main road	1x	30.00x	$\frac{6.3+5.8}{2}$	x0.15	27.23	
		1x	25.70x	$\frac{5.8+5.9}{2}$	x0.15	22.55	
						<u>381.87</u> cum	✓
			@	7.64	9.99/cum		<u>7.2455415=0</u> ✓

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
7.	Providing T.M.T. Steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire & anchoring to the adjoining member wherever necessary. It is completed as per specification. vide qty sheet 59967					4.19 Tonne	
						@ ₹. 66434.10	₹. 278359.00
8.	vacuum de-watering providing groove cutting for width of 50mm & depth 80mm-100mm including cost of cutting machine, generator & H.P. of machinery, including cost of blade,						

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Serial No.

Name of work From To

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Date 1	Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	coolant etc. including cleaning & groove per specification					346.40 Amt	43692.00
						@ ₹. 126.06 / Amt	
9.	Providing & laying reinforced cement precast slabs of min cc 1:1½:3 with 20mm & downsize graded granite metal coarse aggregate using HYSD 10mm dia steel @ 100mm c/c both ways. It is completed as per specification						

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Vide qty B# <u>59969</u>					<u>24.30</u>	Sqm
					@ ₹ 1755.90 —	₹ 42668 = ∞	✓
	Certificate				Total —	<u>49,23,835 =</u>	
	Certified that the work is done satisfactorily.					Jainil	
	<u>1</u> ✓ 14/9/18						

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No. D
59961

Serial No.

Name of work From To

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
							<i>think</i> <u>Index</u> pcc drain - [green box] cc Road - [red box]